BBBBBBBBBBB AAA AAA SSSSSSSS RRR	RRRRRRR TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
----------------------------------	--

BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	\$	\$		PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP
		\$			

Page (1)

MODULE BAS\$SLEEP (IDENT = '3-003'

! Sleep for a while ! File: BASSLEEP.832, Edit: FM3003

BEGIN

.

.

.

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FACILITY: VAX-11 BASIC Miscellaneous I/O

ABSTRACT:

This module contains the BASIC SLEEP function.

ENVIRONMENT: VAX-11 User Mode

AUTHOR: John Sauter, CREATION DATE: 19-APR-1979, REWRITTEN: 11-JUN-1980 REWRITTEN by Farokh Morshed 18-NOV-81.

MODIFIED BY:

2-001 - Rewrite this routine to use \$QIO instead of RMS' read-with
-timeout. The previous version was 1-005. JBS 11-JUN-1980
2-002 - Designate this version 2-002 to keep version numbers consistent
since it is the "enhancement" version of BAS\$SLEEP. JBS 12-JUN-1980
3-001 - To implement type-ahead recovery, and SYS\$INPUT translation using
\$PARSE, This module was rewritten. farokh Morshed 18-NOV-81.
3-002 - Get rid of all \$TRNLOG code since system serivices do that now.

FM 14-DEC-81.

3-003 - Put in the code to get event flags from LIB\$GET_EF so event flag zero is left alone. FM 29-JUN-82.

! <BLF/PAGE>

Page

```
L 15
16-Sep-1984 01:14:56
14-Sep-1984 11:56:40
BASSSLEEP
3-003
                                                                                                                              VAX-11 Bliss-32 V4.0-742
[BASRTL.SRC]BASSLEEP.B32:1
                                                                                                                                                                                  Page
                                    Make sure there is not a $WAKE hanging around.
    169
170
171
173
174
177
177
178
177
178
178
183
184
187
191
193
193
195
                                        BEGIN
                                        LOCAL
                                             WAKE STATUS,
HIBER_STATUS;
                                        WAKE_STATUS = $WAKE ():
                                        IF ( NOT .WAKE_STATUS) THEN LIB$STOP (.WAKE_STATUS);
                                        HIBER_STATUS = $HIBER;
                                        IF ( NOT .HIBER_STATUS) THEN LIB$STOP (.HIBER_STATUS);
                                        END;
BEGIN
                                        BUILTIN
                                              EMUL:
                                        LOCAL
                                              SETIMR_STATUS
                                              TIMBUF : VECTOR [2]:
                                                                                                       !Translated seconds for $SETIMR.
    196
                                     Compute time to wake in system format
    EMUL (%REF (-10000000), SECONDS, %REF (0), TIMBUF [0]);
                                     Take an AST when that time comes. We will pick address of SECONDS to be our TIMER_REGID since this address
                                     is unique for each call.
                                        TIMER_REGID = SECONDS:
                                        SETIME_STATUS = $SETIME (EFN = .EVENT_FLAG, DAYTIM = TIMBUF [0], ASTADE = TAKE_AST, REGIDT = TIMER_REGID
                                        IF ( NOT .SETIMR_STATUS) THEN LIB$STOP (.SETIMR_STATUS);
                                        END:
                                  Stop early if a line terminator is typed.
                                        BEGIN
                                        LOCAL
                                             DEVCHR : BLOCK [DIB$K LENGTH, BYTE],
DEVCHR_DESC : BLOCK [8, BYTE],
GETDEV_STATUS,
TRNNAM_DESC : BLOCK [8, BYTE];
                                        TRNNAM_DESC [DSC$W_LENGTH] = %CHARCOUNT('SYS$INPUT');
TRNNAM_DESC [DSC$B_DTYPE] = DSC$K_DTYPE_Z;
TRNNAM_DESC [DSC$B_CLASS] = DSC$K_CLASS_S;
TRNNAM_DESC [DSC$A_POINTER] = UPLIT('SYS$INPUT');
```

```
M 15
16-Sep-1984 01:14:56
14-Sep-1984 11:56:40
BASSSLEEP
3-003
                                                                                                               VAX-11 Bliss-32 V4.0-742
[BASRTL.SRC]BASSLEEP.B32;1
                                Do a $GETDEV on this device name.
   DEVCHR_DESC [DSC$W_LENGTH] = DIB$K_LENGTH;
DEVCHR_DESC [DSC$B_DTYPE] = DSC$K_DTYPE_Z;
DEVCHR_DESC [DSC$B_CLASS] = DSC$K_CLASS_S;
DEVCHR_DESC [DSC$A_POINTER] = DEVCHR;
                                   GETDEV_STATUS = $GETDEV (DEVNAM = TRNNAM_DESC, PRILEN = DEVCHR_DESC [DSC$W_LENGTH], PRIBUF = DEVCHR_DESC
                                   IF (.DEVCHR [DIB$B_DEVCLASS] EQL DC$_TERM)
                                SYS$INPUT is a terminal. Arrange to take an AST if a terminator is typed
                                on it.
                                        BEGIN
                                        LOCAL
                                             Q10_STATUS
                                             ASSIGN_STATUS;
                                        ASSIGN_STATUS = $ASSIGN (DEVNAM = TRNNAM_DESC, CHAN = ASSIGNED_CHAN);
                                        IF ( NOT .ASSIGN_STATUS) THEN LIB$STOP (.ASSIGN_STATUS);
                                        QIO_STATUS = $QIO (EFN = .EVENT_FLAG, CHAN = .ASSIGNED_CHAN, FUNC = (IO$_SETMODE OR IO$M_OUTBAND OR P1 = TAKE_AST, P2 = UPLIT (0, %x'2000')); !Terminator is a CR.
                                        IF ( NOT .QIO_STATUS) THEN LIB$STOP (.QIO_STATUS);
                                        END:
                                   END:
                                 Now wait for the $SETIMR to fire, or (if SYS$INPUT is a terminal)
                                 for a terminator to be typed.
                                   BEGIN
                                   LOCAL
                                        HIBER_STATUS;
                                   HIBER_STATUS = $HIBER;
                                   IF ( NOT .HIBER_STATUS) THEN LIB$STOP (.HIBER_STATUS);
                                   END:
                                 At this point either AST for $SETIMR or $QIO has gone off. We don't care
                                 which, we just cancel both of them, and also deassign the channel.
                                   BEGIN
                                   LOCAL
                                        DASSGN_STATUS,
CANTIM_STATUS,
QIO_STATUS;
```

```
N 15
16-Sep-1984 01:14:56
14-Sep-1984 11:56:40
 BAS$SLEEP
                                                                                                            VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASSLEEP.B32:1
    CANTIM_STATUS = $CANTIM (REQIDT = TIMER_REQID);
                                   IF ( NOT .CANTIM_STATUS) THEN LIB$STOP (.CANTIM_STATUS);
                                   IF .ASSIGNED_CHAN NEQ O
                                   THEN
                                       BEGIN
                                       QIO_STATUS = $QID (EFN = .EVENT_FLAG, CHAN = .ASSIGNED_CHAN, FUNC = (10$_SETMODE OR 10$M_OUTBAND OR P1 = 0);
                                       IF ( NOT .QIO_STATUS) THEN LIB$STOP (.QIO_STATUS);
                                       DASSGN_STATUS = $DASSGN (CHAN = .ASSIGNED_CHAN);
                                       IF ( NOT .DASSGN_STATUS) THEN LIB$STOP (.DASSGN_STATUS);
                                       END:
                                   END:
                                Make sure there are not any $WAKE hanging around. They could have appeared as a result of one of the ASTs timer or QIO going off just before we turned
                                it off.
                   BEGIN
                                  LOCAL
                                       WAKE STATUS,
HIBER STATUS;
                                  WAKE_STATUS = $WAKE ();
                                  IF ( NOT .WAKE_STATUS) THEN LIB$STOP (.WAKE_STATUS);
                                  HIBER_STATUS = $HIBER:
                                  IF ( NOT .HIBER_STATUS) THEN LIB$STOP (.HIBER_STATUS);
                                  END:
                               free the event flag now
                                  EF_STATUS = LIB$FREE_EF (EVENT_FLAG);
IF (NOT .EF_STATUS) THEN LIB$STOP (.EF_STATUS);
                                  RETURN:
                                  END:
                                                                                        ! end of BAS$SLEEP
                                                                                                   BAS$SLEEP
                                                                                          .TITLE
                                                                                          .PSECT
                                                                                                   _BAS$CODE, NOWRT, SHR, PIC, 2
                                                 49 24 53 59 53 0000000
                                  55
                                      50
                                                                         00000 P.AAA:
00000 P.AAB:
                                                                                          .ASCII
                                                                                                    \SYS$INPUT\<0><0><0>
                                                                                          .LONG
                                                                                                    0, 8192
```

7C AE

			.EXTRN .EXTRN .EXTRN .EXTRN .EXTRN .EXTRN	LIBSMATCH COND, LIBSGET_EF LIBSFREE_EF, LIBSSTOP SYSSWAKE, SYSSHIBER SYSSSETIMR, SYSSGETDEV SYSSASSIGN, SYSSQIO SYSSCANTIM, SYSSDASSGN	
	56 000000006 55 000000006 54 000000006 53 000000006 5E FF70	CE 9E 0001E	MOVAB MOVAB MOVAB MOVAB MOVAB	BAS\$SLEEP, Save R2,R3,R4,R5,R6 SYS\$QIO, R6 SYS\$WAKE, R5 SYS\$HIBER, R4 LIB\$STOP, R3 -144(SP), SP	0204
	6D 014E		CLRQ CLRL MOVAL	EVENT FLAG ASSIGNED CHAN 14\$, (FP)	0237
0000000G	F4	AD 9F 0002E 01 FB 00031	PUSHAB	EVENT ELAG	0257
	00 52 05	AD D4 00026 CF DE 00029 AD 9F 0002E 01 FB 00031 50 D0 00038 52 EB 0003B 52 DD 0003E 01 FB 00040 7E 7C 00043 1\$: 02 FB 00045 50 EB 00048 50 DD 0004B	MOVL BLBS PUSHL	#1, LIBSGET EF RO, EF STATUS EF STATUS, 1\$ EF STATUS #1, LIBSSTOP -(SP)	0258
	63	01 FB 00040 7E 7C 00043 1\$:	BLBS PUSHL CALLS CLRO	#1, LIB\$STOP -(SP)	0269
	65	02 FB 00045 50 E8 00048 50 DD 0004B	BLBS PUSHL	WAKE STATUS, 28	0271
	63 64 05	7E 7C 00043 1\$: 02 FB 00045 50 E8 00048 50 DD 0004B 01 FB 0004D 00 FB 00050 2\$: 50 E8 00053 50 DD 00056 01 FB 00058	CALLS CALLS BLBS PUSHL	#2, SYS\$WAKE WAKE_STATUS, 2\$ WAKE_STATUS, 2\$ #1, LIB\$STOP #0, SYS\$HIBER HIBER_STATUS, 3\$ HIBER_STATUS #1, LIB\$STOP #-10000000 SECONDS #0 TIMBUE	0273 0275
00 04 F8	63 AC FF676980 AD 04 F8 0000V EC	01 FB 00058 8F 7A 0005B 3\$: AC 9E 00066 AD 9F 0006B CF 9F 0006E AD 9F 00072	CALLS EMUL MOVAB PUSHAB PUSHAB PUSHAB	#1, LTB\$STOP #-10000000, SECONDS, #0, TIMBUF SECONDS, TIMER_REQID TIMER_REQID TAKE AST TIMBUF	0290 0296 0297
000000006	00 05	AD DD 00075	PUSHL CALLS BLBS PUSHL CALLS	EVENT FLAG #4, SYS\$SETIMR SETIMR_STATUS, 4\$ SETIMR_STATUS	0299
04 08 00	63 6E 01000009 AE FF5A AE 01000074 AE 10	04 FB 00078 50 E8 0007F 50 DD 00082 01 FB 00084 8F DO 00087 4\$: CF 9E 0008E 8F DO 00094 AE 9E 0009C 7E 7C 000A1	MOVAR	#4, SYS\$SETIMR SETIMR_STATUS, 4\$ SETIMR_STATUS, 4\$ SETIMR_STATUS #1, LIB\$STOP #16777225, TRNNAM_DESC P.AAA, TRNNAM_DESC+4 #16777332, DEVCHR_DESC DEVCHR, DEVCHR_DESC+4 -(SP) DEVCHR_DESC+4	0313 0316 0320 0323 0324
00000000G 42	10 14 10 00 8f 14	AE 9F 000A3 AE 9F 000A6 AE 9F 000A9 05 FB 000AC AE 91 000B3 3D 12 000B8	MOVL MOVAB CLRQ PUSHAB PUSHAB CALLS CMPB BNEQ CLRQ PUSHAB	DEVCHR_DESC TRNNAM_DESC #5, SYS\$GETDEV DEVCHR+4, #66	0327
000000006	00 FC	7E 7C 000BA AD 9F 000BC AE 9F 000BF 04 FB 000C2	PUSHAB PUSHAB CALLS	ASSIGNED CHAN TRNNAM DESC #4, SYS\$ASSIGN	0339

B 16 16-Sep-1984 01:14:56 14-Sep-1984 11:56:40

VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASSLEEP.B32;1 Page 7 (3)

					C 16 16-Sep- 14-Sep-	1984 01:14 1984 11:56	:56 VAX-11 Bliss-32 V4.0-742 :40 [BASRTL.SRC]BASSLEEP.832:1	Page 8
	05		50	E8 (00000	BLBS	ASSIGN_STATUS, 5\$: 0341
	63		50 01 7E CF	E8 (000C9 000CC 000CE 000D1 5\$:	PUSHL	ASSIGN_STATUS, 5\$ ASSIGN_STATUS #1, LIB\$STOP -(\$P)	
			7E	70	00001 5 \$:	CLRQ CLRQ PUSHAB	-(SP)	0344
		FF1F 0000V	CF	7C (00003 00005 00009 00000	PUSHAB	P.AAB TAKE_AST	
			CF 7E 7E 8F	70 0	00000	CLRQ	-(SP)	
	7E	0023	8F	04 (30 (00 (FB (000DF 000E1	MOVZWL	#3107, -(SP) #3107, -(SP) ASSIGNED CHAN EVENT FLAG #12, SYS\$QIO QIO_STATUS, 6\$ QIO_STATUS #1, LIB\$STOP #0, SYS\$HIBER HIBER_STATUS, 7\$ HIBER_STATUS #1, LIB\$STOP -(SP) TIMER_REQID #2, SYS\$CANTIM CANTIM_STATUS, 8\$ CANTIM_STATUS, 8\$ CANTIM_STATUS #1, LIB\$STOP ASSIGNED_CHAN 10\$	
		FC F4	AD	DD	000E6 000E9	PUSHL	EVENT FLAG	
	66		0C 50	EB (000EC 000EF 000F2 000F4 000F7 6\$:	BLBS	010_STATUS, 6\$: 0346
	63		50	DD (000F2 000F4	BLBS PUSHL CALLS CALLS BLBS PUSHL	#1 TIRSTOP	
	63 64 05		00	FB	000F7 68:	CALLS	WO, SYSSHIBER	0360
			00 50 50 01	DD (DOOFD	PUSHL	HIBER STATUS	: 0302
	63		7E	D4 (000FF 00102 7\$:	CALLS CLRL PUSHAB	-(SP)	0376
000000006	00	F8	7E AD 02 50	9F	00104 00107 0010E	PUSHAB	TIMER REGID	
	00		50	FB E8 DD	0010E 00111	CALLS BLBS PUSHL	CANTIM_STATUS, 8\$	0378
	63		50	FB	00113	CALLS	W1. LIBSSTOP	0790
		FC	AD 32 7 7 7 7 7 7 7 7 7 7 7 7 7 8 7 7 8 7 8	13 (00116 8\$: 00119	BEOL	10\$: 0380
			7E	70	0011B 0011D	CLRQ	-(SP) -(SP)	0384
			7E	7C (0011F	CLRQ	-(SP) -(SP)	
	70	0027	7E	04	00123	CLRL	-(0)	
	7E	0C23 FC F4	AD	7C 04 00 00 00 00 00 00 00 00 00 00 00 00	00121 00123 00125 0012A	MOVZWL PUSHL	#3107, -(SP) ASSIGNED_CHAN EVENT_FLAG #12, SYSSQIO QIO_STATUS, 9\$ QIO_STATUS #1, LIB\$STOP ASSIGNED_CHAN #1	
	66	F4	AD OC	FB (00120 00130 00133 00136 00138	PUSHL	#12, SYSSQIO	
	66 05		0C 50 50	E8 (00133 00136	BLBS PUSHL	QIO STATUS, 9\$	0386
	63	FC	O1 AD	FB	00138 0013B 9\$:	CALLS	W1, LIB\$STOP	0388
0000000G	00	"	01	ED FD FB DB FB	0013E 00145	CALLS	#1. SYS\$DASSGN	:
			50 50 01	DD	00148	BLBS PUSHL CALLS	DASSGN_STATUS	0390
	63		01 7E		0014A 0014D 10\$:	CALLS	#1, LIB\$STOP -(SP)	0406
	65		02	FR	00145	CALLS	W2, SYSSWAKE	: 0408
			50	DD	00155	PUSHL	WAKE STATUS	
	63 64 05		00	FB	00152 00155 00157 0015A 11\$:	CALLS	NO. SYSSHIBER	0410
			7E 050 500 500 500 500 600 600 600 600 600	E8	0015D 00160 00162 00165 12\$:	BLBS PUSHL	ASSIGNED_CHAN #1, SYS\$DASSGN DASSGN_STATUS, 10\$ DASSGN_STATUS #1, LIB\$STOP -(\$P) #2, SYS\$WAKE WAKE_STATUS, 11\$ WAKE_STATUS, 11\$ WAKE_STATUS #1, LIB\$STOP #0, SYS\$HIBER HIBER_STATUS, 12\$ HIBER_STATUS #1, LTB\$STOP EVENT_FLAG #1, LTB\$FREE EF	0412
	63	F4	01	FB 9F	00162 00165 12 \$:	PUSHAB	#1, LTB\$STOP	0418
0000000G	00 52		01	FB	00168 0016F	CALLS	#1. LIBSFREE EF RO, EF_STATUS	

BASSSLEEP 3-003		D 16 16-Sep-1984 01:14:56 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:56:40 [BASRTL.SRC]BASSLEEP.B32	Page (3)
	05	52 E8 00172 BLBS EF_STATUS, 13\$ 52 DD 00175 PUSHL EF_STATUS	: 0419
	63	01 FB 00177 CALLS #1, LIB\$STOP 04 0017A 135: RET	0422
	50 50	0000 0017B 14B: .WORD Save nothing 08 AC DO 0017D MOVL 8(AP), RO 04 AO DO 00181 MOVL 4(RO), RO F4 AO 9F 00185 PUSHAB EVENT_FLAG F8 AO 9F 00188 PUSHAB TIMER_REQID FC AO 9F 0018B PUSHAB ASSIGNED CHAN	0422 0237
	0000V CF	03 DD 0018E PUSHL #3 5E DD 00190 PUSHL SP 04 AC 7D 00192 MOVQ 4(AP), -(SP) 03 FB 00196 CALLS #3, SLEEP_HANDLER 04 0019B RET	

; Routine Size: 412 bytes. Routine Base: _BASSCODE + 0014

; 331 0423 1

-

E 16 16-Sep-1984 01:14:56 14-Sep-1984 11:56:40 VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASSLEEP.B32;1 BASSSLEEP 3-003 ROUTINE TAKE AST (
AST PARAM
): NOVALUE = Take a QIO. or SETIMR AST. AST parameter. FUNCTIONAL DESCRIPTION: Take an AST, either from \$SETIMR when the sleep time is up, or from the \$QIO when it completes. In both cases we simply do a \$WAKE. FORMAL PARAMETERS: AST_PARAM Pointer to parameters for this AST. IMPLICIT INPUTS: NONE IMPLICIT OUTPUTS: NONE COMPLETION CODES: NONE SIDE EFFECTS: NONE BEGIN SWAKE (); RETURN; ! of TAKE_AST END:

0000 00000 TAKE_AST:

0000 00000 TAKE_AST.

7E 7C 00002 02 FB 00004 04 0000B .WORD Save nothing CLRQ -(SP) CALLS #2, SYS\$WAKE RET

; Routine Size: 12 bytes, Routine Base: _BAS\$CODE + 01B0

0424

0459

this is the UNWIND condition, cancel the SETIMR and QIO.

```
G 16
16-Sep-1984 01:14:56
14-Sep-1984 11:56:40
BASSSLEEP
3-003
                                  IF (LIB$MATCH_COND (SIG [1], %REF (SS$_UNWIND)))
THEN
   433334567890123454567890123456789012345678901
                                      BEGIN
                               Turn off the QIO and SETIMR. We need to do this while no ASTs can go off
                               because we are modifying ASSIGNED_CHAN, and TIMER_REQID.
                                       $SETAST (ENBFLG = 0);
                                      BEGIN
                                      LOCAL
                                           DASSGN_STATUS,
CANTIM_STATUS,
EF_STATUS,
QIO_STATUS;
                                      GIO_STATUS = $QIO (EFN = .EVENT_FLAG, CHAN = .ASSIGNED_CHAN, FUNC = (10$_SETMODE OR 10$M_OUTBAND OR
                                           P1 = 0):
                                      IF ( NOT .QIO_STATUS) THEN LIB$STOP (.QIO_STATUS);
                                      EF_STATUS = LIBSFREE_EF (EVENT_FLAG);
                                      IF .ASSIGNED_CHAN NEQ O THEN
                                           BEGIN
                                           DASSGN_STATUS = $DASSGN (CHAN = .ASSIGNED_CHAN);
                                           IF ( NOT .DASSGN_STATUS) THEN LIB$STOP (.DASSGN_STATUS);
                                           ASSIGNED_CHAN = 0;
                                           END:
                                      IF .TIMER_REGID NEG O
                                      THEN
                                           CANTIM_STATUS = $CANTIM (REGIDT = TIMER_REGID);
                                           IF ( NOT .CANTIM_STATUS) THEN LIB$STOP (.CANTIM_STATUS);
                                           TIMER_REGID = 0;
                                           END:
                                      SSETAST (ENBFLG = 1);
                   0562
0563
                   0564
0565
0566
0567
0568
0569
0570
0571
0572
0573
                               as a result of one of the ASTs timer or Q10 going off just before we turned it off.
                               Make sure there are not any $WAKE hanging around. They could have appeared
   478
                                      BEGIN
   480
481
482
483
                                      LOCAL
                                           WAKE STATUS
                                           HIBER_STATUS;
```

BASSSLEEP 3-003					H 16 16-Sep- 14-Sep-	1984 01:14 1984 11:56	:56 VAX-11 Bliss-32 V4.0-742 :40 [BASRTL.SRC]BASSLEEP.B32;1	Page 13 (5)
	0574 4	WAKE_S	TATUS = SWAKE	();	77.00			
484 485 486 487 488 489 490 491 492 493 494 495	0575 4 0576 4		OT .WAKE_STATU		IBSSTOP (.	WAKE_STATU	s);	
487	0577 4 0578 4		STATUS = SHIBE					
489	0579 4		OT .HIBER_STAT		LIBSSTOP (.HIBER_STA	TUS);	
491	0581 4 0582 3	END;						
486 487 488 489 490 491 492 493 494 495	0582 3 0583 2 0584 2 0585 2 0586 1							
496	0585 2	END;	S_RESIGNAL);			! of HAND	LER	
						.EXTRN	SYS\$SETAST	
				001C 0	0000 SLEEP	HANDLER:	Caus 82 87 84	: 0460
			54 00000000G 53 00000000G	00 9E 0	0000 SLEEP 0002 0009 0010 0014	MOVAB	Save R2,R3,R4 SYS\$SETAST, R4 LIB\$STOP, R3 ENBL, R2 #2336, -(SP)	. 0400
			53 000000006 52 0C 7E 0920	AC DO C	0010	MOVL	ENBL, R2	0510 0518
		7E 04	AC OZZO	5E DD 0	0019	PUSHL ADDI 3		
		7E 00000000G	AC 00 03	00 9E 0 00	0020	PUSHL ADDL3 CALLS BLBS BRW CLRL CALLS CLRQ CLRQ	#4, SIG, -(SP) #2. LIB\$MATCH_COND R0, 1\$ 8\$	
			0	50 E8 0 08E 31 0 7E D4 0	002A 002D 1\$:	BRW	8\$ -(SP)	0525
			64	01 FB 0	002F 0032	CALLS	#1. SYS\$SETAST	0535
				7E 7C 0	0034	CLRQ	-(SP) -(SP)	
				7E 7C 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0038 003A	CLRQ	-(SP) -(SP)	
			7E 0C23 04 0C	7E D4 00 00 00 00 00 00 00 00 00 00 00 00 00	003C 0041	PUSHL	#3107, -(SP) a4(R2)	
		000000006	00 05	OC FB C	0044	CALLS	#12, SYS\$QIO	0677
				50 DD 0	004E 0051	PUSHL	QIO_STATUS	0537
		00000000	63 00	WS DD 0	0056 28:	PUSHL	12(R2)	0539
		0000000G	00	B2 D5 0	00060	TSTL	34(R2)	0541
		00000000	04	B2 DD 0	0065	PUSHL	34 (R2)	0544
		0000000G	00	50 E8 9	0006F	BLBS	DASSGN_STATUS, 3\$	0546
			63	50 DD 0	0074	CLRQ CLRQ CLRL MOVZWL PUSHL CALLS BLBS PUSHL CALLS TSTL BEQL CALLS BLBS PUSHL CALLS CLRL TSTL	#1. LIB\$STOP	0548
			04 08	50 DD 0 01 FB 0 B2 D4 0 B2 D5 0	0034 0036 0038 0038 0037 0041 0047 0045 0051 0053 0056 0065 0065 0065 0065 0065 0065 0067 0074 0077 0077 0078 0076	TSTL	-(SP) #1, SYS\$SETAST -(SP) -(SP) -(SP) -(SP) -(SP) -(SP) #3107, -(SP) #3107, -(SP) #3107, -(SP) #12(R2) #12, SYS\$QIO QIO_STATUS, 2\$ QIO_STATUS, 2\$ QIO_STATUS #1, LIB\$STOP 12(R2) #1, LIB\$FREE_EF #4(R2) #4 #4(R2) #5 #4(R2) #6 #6 #6 #6 #6 #6 #6 #6 #6 #6 #6 #6 #6	0548 0551
			08	7E D4 0	007F	BEQL CLRL PUSHL	-(SP) 8(R2)	0554

3.	ASSSLEEP -003				I 16 16-Sep-19 14-Sep-19	984 01:14:56 984 11:56:40	VAX-11 Bliss-32 V4.0-742 [BASRTL.SRC]BASSLEEP.832;1	Page 14
		0000000G	00	02 FB (00084 0008B	CALLS #2, BLBS CANT	SYS\$CANTIM IM_STATUS, 5\$: 0556
			63 08	02 FB 0 50 EB 0 01 FB	0008E 00090	PUSHL CANT CALLS #1, CLRL #8(R PUSHL #1 CALLS #1,	SYS\$CANTIM IM_STATUS, 5\$ IM_STATUS LIB\$STOP	
			64	01 DD (00093 5\$: 00096 6\$: 00098	LOSUF WI		0558 0562
		0000000G	00	7E 7C 0 02 FB 0 50 E8 0 50 DD 0	0009B 0009D	CALLS #2.	SYSSWAKE STATUS, 78	0574
				50 DD 0	000A7 000A9	BLBS WAKE PUSHL WAKE CALLS #1.	TSTATUS LIBSSTOP SYSSHIBER	0576
		00000000G	63 00 05	00 FB (50 E8 (50 DD (01 FB (000A4 000A7 000A9 000AC 7\$: 000B3	CALLS #0, BLBS HIBE PUSHL HIBE	SYSSHIBER R_STATUS, 8\$ R_STATUS	0578 C580
			63 0918	8F 3C (00088 0008B 8\$:	CALLS W1 MOVZWL W232 RET	R_STATUS, 8\$ R_STATUS LIB\$STOP	0585 0586
:	Routine Size: 193 b	ytes, Routine	Base: _BAS\$	CODE + 018	эс			
	497 498 499 0588 499	1 END 1 0 ELUDOM				end of modul	e BAS\$SLEEP	
			PSECT SUMMARY	,				
	Name	Bytes			Attributes	5		
1	_BAS\$CODE		637 NOVEC, NO	JRT, RD	, EXE, SHR	, LCL, REL,	CON, PIC, ALIGN(2)	
		Librar	y Statistics					
	file		Total	Symbols	Percent	Pages Mapped	Processing Time	
1:	_\$255\$DUA28:[SYSLIB	STARLET.L32;1	9776	25	0	581	00:01.1	

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$:BASSLEEP/OBJ=OBJ\$:BASSLEEP MSRC\$:BASSLEEP/UPDATE=(ENH\$:BASSLEEP)

16-Sep-1984 01:14:56

BASSSLEEP 3-003 : Size: 617 code + 20 data bytes
: Run Time: 00:12.7
: Elapsed Time: 00:29.9
: Lines/CPU Min: 2784
: Lexemes/CPU-Min: 21976
: Memory Used: 143 pages
: Compilation Complete

0031 AH-BT13A-SE

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